

Phase 1 Question 1

Java Spring boot framework is an open source, enterprise level framework used for creating applications that run on the Java Virtual Machine. It's a tool used to make web applications and micro services quickly and easier through auto configuration whereby the application is initialized with pre-set dependencies; an opinionated approach to configuration whereby the programmer is able to add and configure starter dependencies; and the ability to create standalone applications which run without using external web services.

Aspect Oriented Programming is a paradigm with a purpose of increasing modularity by enabling the separation of cross cutting concerns. This is done by adding behaviour to the code without modifying it. Cross cutting concern is a concern that is implemented in different places in an application.

Aspects are the cross cutting concerns that are modularised into classes. The advantages of aspects include, the logic of each concern being in one place and the business modules only containing code for the primary concern and the secondary concern being at the aspect.

Bibliography

2022. [online] Available at: <<https://www.baeldung.com/spring-aop>> [Accessed 25 August 2022].

Education, I., 2022. *What is Java Spring Boot?*. [online] Ibm.com. Available at: <[https://www.ibm.com/cloud/learn/java-spring-boot#:~:text=Java%20Spring%20Boot%20\(Spring%20Boot,ability%20to%20create%20standalone%20applications](https://www.ibm.com/cloud/learn/java-spring-boot#:~:text=Java%20Spring%20Boot%20(Spring%20Boot,ability%20to%20create%20standalone%20applications)> [Accessed 25 August 2022].

www.javatpoint.com. 2022. *Spring Boot AOP - javatpoint*. [online] Available at: <<https://www.javatpoint.com/spring-boot-aop>> [Accessed 25 August 2022].